

ABSTRACT

A transmission rate negotiation between multi-rate home electric device 100 and communication processing device 200 is completed by sending and receiving a line connection request containing supported transmission rate specifying information specifying plural settable transmission rates, and a device interface information finalization notice containing selected transmission rate information specifying the selected transmission rate once between the home electric device 100 and the communication processing device 200. It is thus possible to shorten a time needed for the communication procedure for the transmission rate negotiation between the home electric device 100 and the communication processing device 200.